

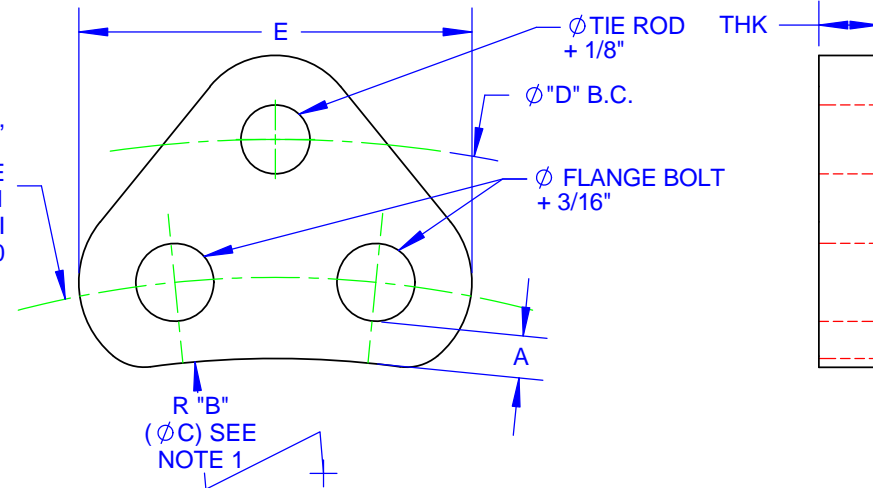
HARNES LUG SCHEDULE

FLG SIZE	LUG THK	TIE ROD QUANTITY					TIE ROD	A	R "B"	Ø "C"	B.C. Ø "D"	E	WGT, EA
		50 PSI	100 PSI	150 PSI	200 PSI	275 PSI							
14	1	2	2	2	3	3	1	0.47	8.34	16.68	23.13	7.60	6.0
16	1	2	2	2	3	4	1	0.41	9.66	19.32	25.63	6.90	5.5
18	1	2	2	3	4	5	1	0.28	10.45	20.90	27.13	7.44	6.0
20	1	2	3	4	5	6	1	0.38	11.50	23.00	29.63	6.91	5.6
24	1	2	3	5	6	9	1	0.42	13.64	27.28	34.13	8.11	7.0
30	1 1/4	2	3	5	6	9	1 1/4	0.41	16.91	33.82	41.25	7.53	9.0
36	1 1/4	3	5	7	9	12	1 1/4	0.50	20.06	40.12	48.50	8.19	10.6
42	1 1/4	3	6	9	12	16	1 1/4	0.60	23.34	46.68	55.50	8.31	11.2
48	1 3/4	3	6	8	11	15	1 1/2	0.78	26.41	52.82	62.50	7.99	16.9
54	1 3/4	4	7	10	14	18	1 1/2	0.81	29.63	59.26	69.25	8.98	19.1
60	1 3/4	5	9	13	17	23	1 1/2	0.81	32.88	65.76	76.00	8.68	18.7
66	2	4	8	11	15	20	1 3/4	1.06	36.00	72.00	83.50	9.09	25.5
72	2	5	9	13	18	24	1 3/4	0.81	39.50	79.00	90.02	8.82	23.7

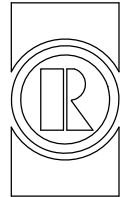
NOTE:

1. ROMAC HARNES LUG WITH MAXIMUM CLEARANCE BETWEEN FLANGE HUB OD AND LUG RADIUS FOR MAJORITY OF THREADED DI FLANGES.
2. CUSTOMER TO VERIFY LUG CLEARANCE OVER FLANGE HUB FOR THREADED DI FLANGES. SEE DIAMETER C.
3. EACH TIE ROD REQUIRES 2 LUGS, ONE LOCATED ON THE OUTSIDE OF EACH FLANGED CONNECTION (SEE ASSEMBLY VIEW).
4. LUG MATERIAL: STEEL A36, STAINLESS A240 TYPE 304 OR 316
5. TIE ROD MATERIAL = ASTM A193 B7, (ALLOY STEEL), B8 (304 SS), OR B8M (316 SS)
6. COATING: BARE, SHOPCOAT PAINT, OR NSF 61 FUSION BONDED EPOXY, BLACK
7. 4 NUTS REQUIRED PER TIE ROD, (DOUBLE NUT CONFIGURATION.)
8. TIE RODS SOLD SEPERATELY, SPECIFY LENGTH WHEN ORDERING.

BOLT CIRCLE, MATCHES AWWA C207 CLS D OR E AND ANSI B16.1 CLS 125 OR ANSI B16.5 CLS 150



REVISIONS			
REV.	DESCRIPTION	DATE	APP'D
0	INITIAL RELEASE REPLACES B2368-A	10/08/09	SH
1	275 PSI QTY WAS INCORRECT ON DRAWING, DID NOT MATCH CATALOG. 24" & 30" WAS 8, 36" WAS 11, 42" WAS 15, 48" WAS 13, 54" WAS 17, 60" WAS 21, 66" WAS 19, 72" WAS 22	7/25/2012	NST III

<p>PROPRIETARY NOTICE</p> <p>THIS DRAWING CONTAINS CONFIDENTIAL PROPRIETARY INFORMATION AND IS THE PROPERTY OF ROMAC IND., INC. IT IS TO BE USED ONLY FOR THE PURPOSE FOR WHICH IS WAS SUBMITTED AND SHALL NOT HAVE IT'S INFORMATION DISCLOSED OR REPRODUCED IN WHOLE OR IN PART FOR ANY PURPOSE WITHOUT PRIOR WRITTEN PERMISSION OF ROMAC IND., INC.</p>	<p>UNLESS OTHERWISE SPECIFIED</p> <p>DIMENSIONS ARE IN INCHES</p> <p>TOLERANCES ARE ON: 1 PL DECIMALS ± .060 2 PL DECIMALS ± .030 3 PL DECIMALS ± .010 ANGLES ± 1° FRACTIONS ± 1/64</p>	<p>SIGNATURES</p> <p>DRAWN</p> <p>CHECKED</p> <p>APPROVAL ORGANIZATIONS ENGINEERING</p>		 <p>ROMAC INDUSTRIES INC., BOTHELL, WA</p> <p>TITLE HARNES LUGS, 14"-72" STYLE 490 CLS D & E, 125/150 HIGH HUB CLEARANCE</p>	<p>DWG. NO. B3292-A</p>	<p>SIZE A</p>	<p>REV. NO. 1</p>	<p>SCALE NTS</p>	<p>SHEET 1 OF 1</p>
		<p>THIS DRAWING FILE NAME: B3292 HARNES LUG 14 - 72 CLS D E, HIGH HUB CLEARANCE, 36" OD E, 36" NAME: harness lug design 14-72 CONFIGURATION NAME:36 AUTHOR: SH</p>							